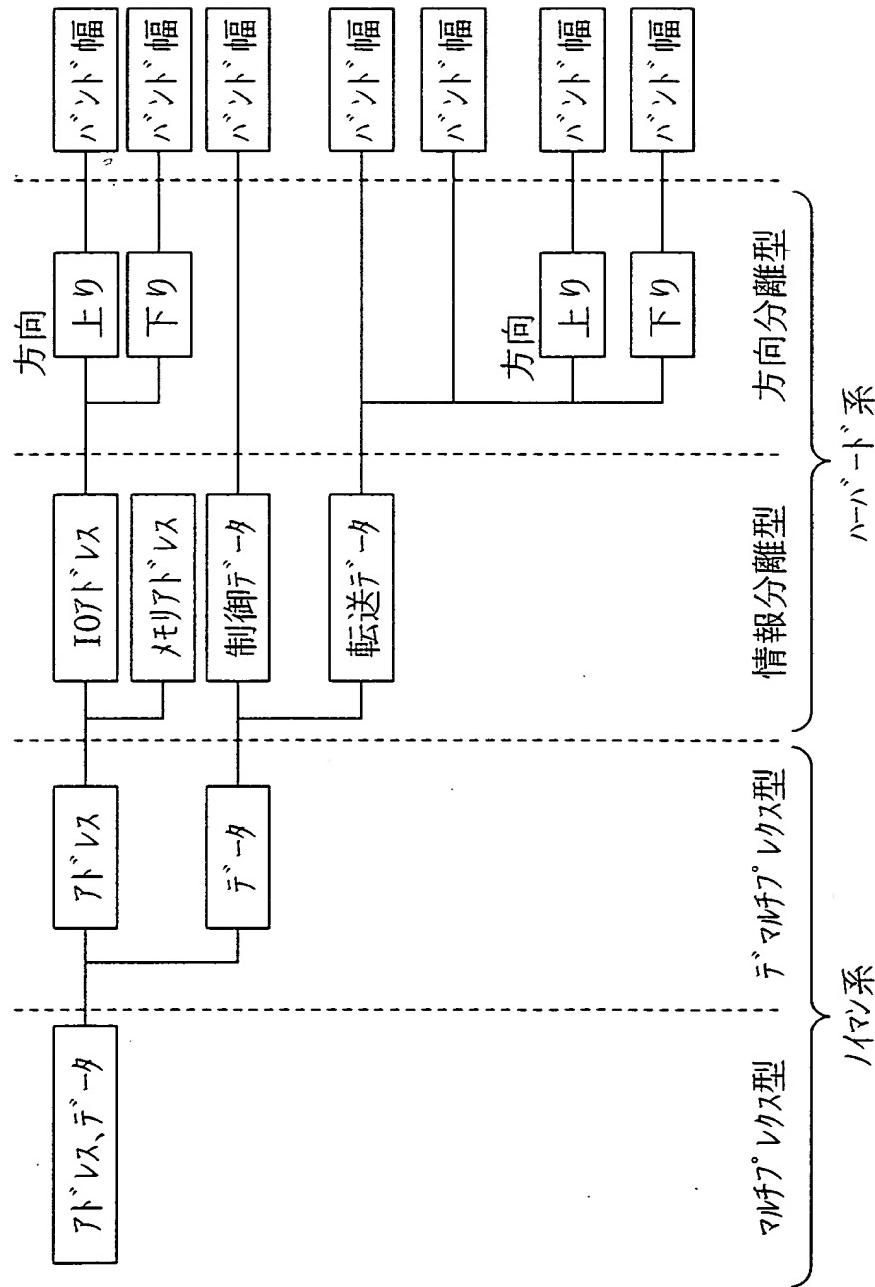


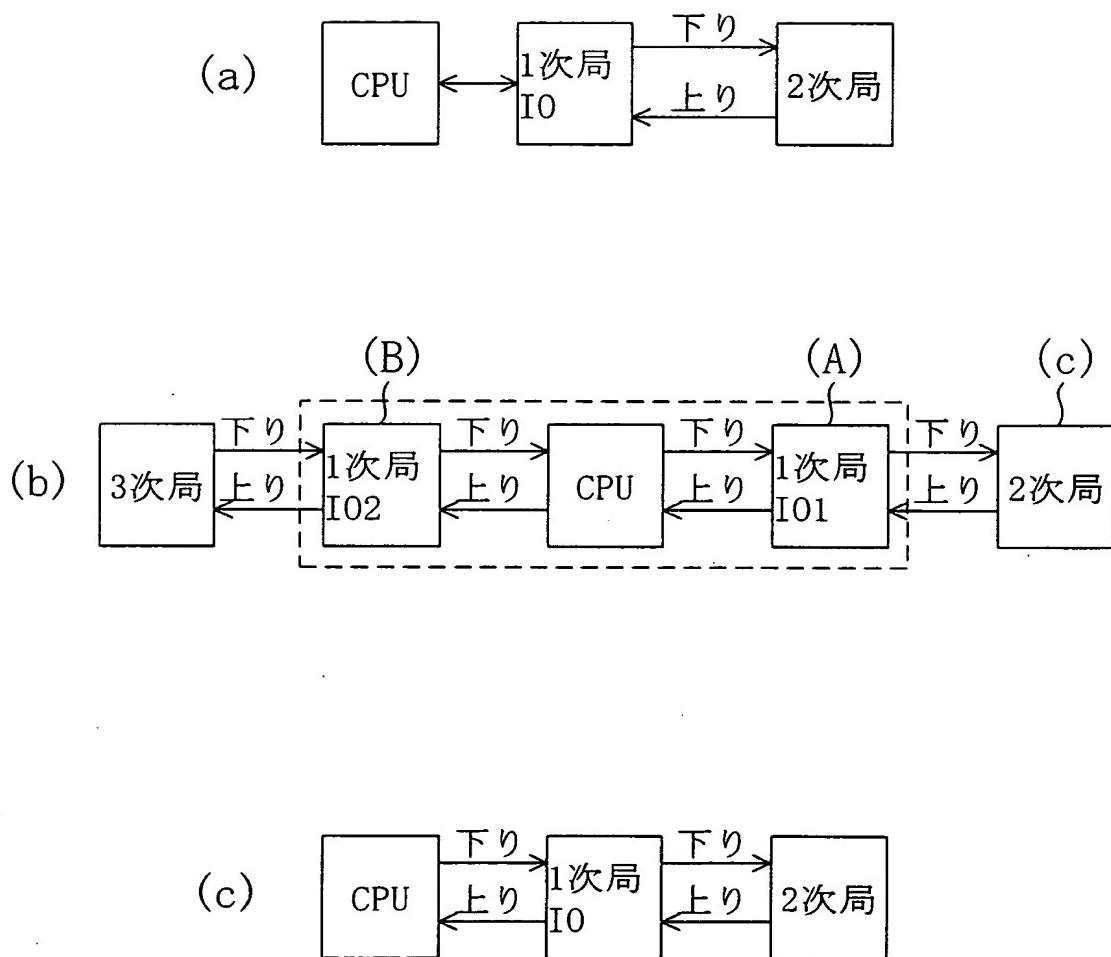
JC784 U.S. PTO
09/620474



07/20/00

従来技術





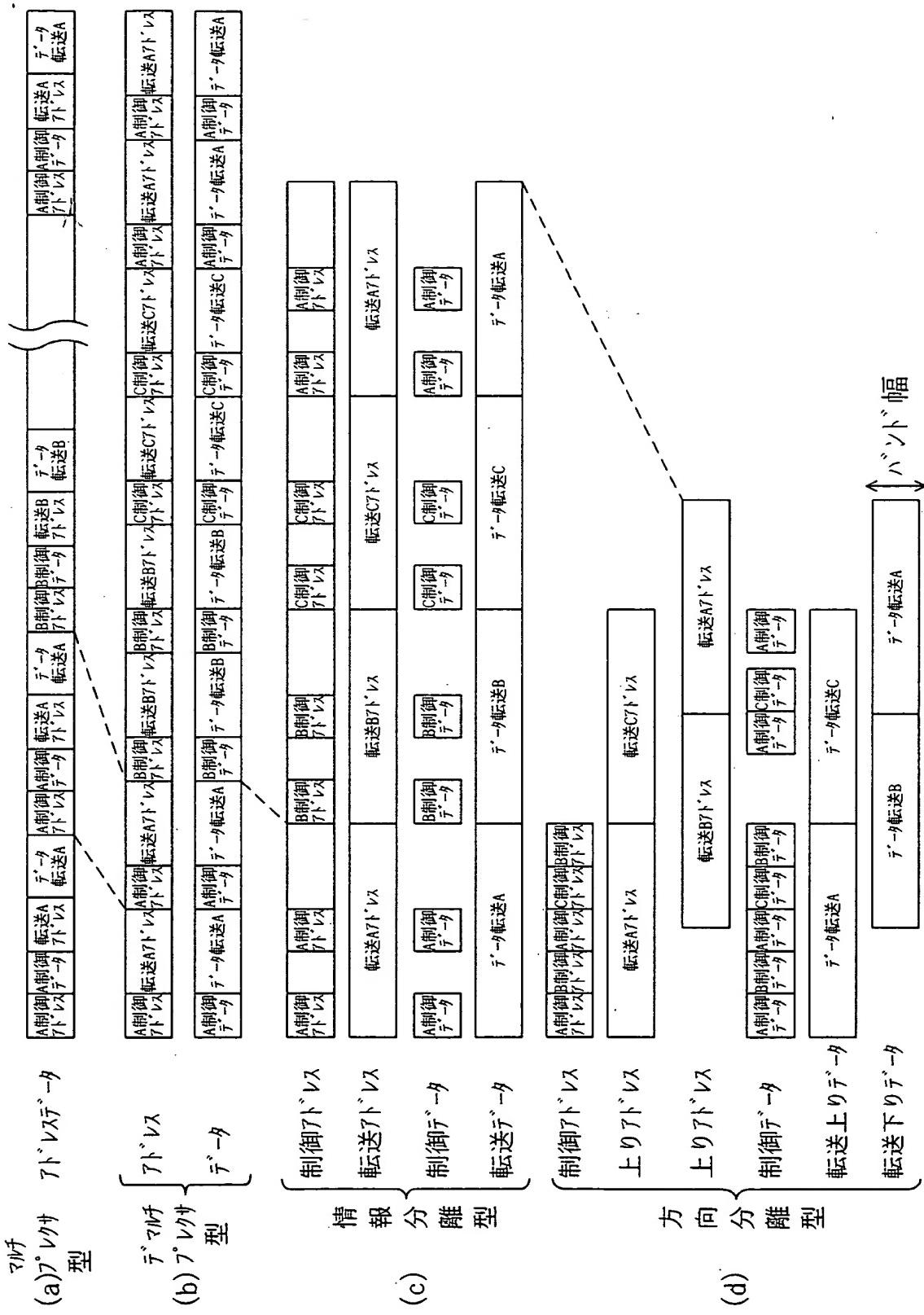
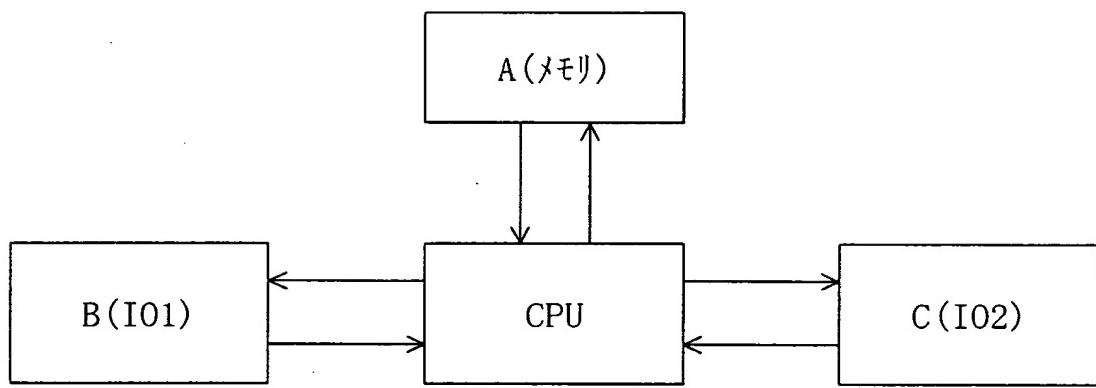
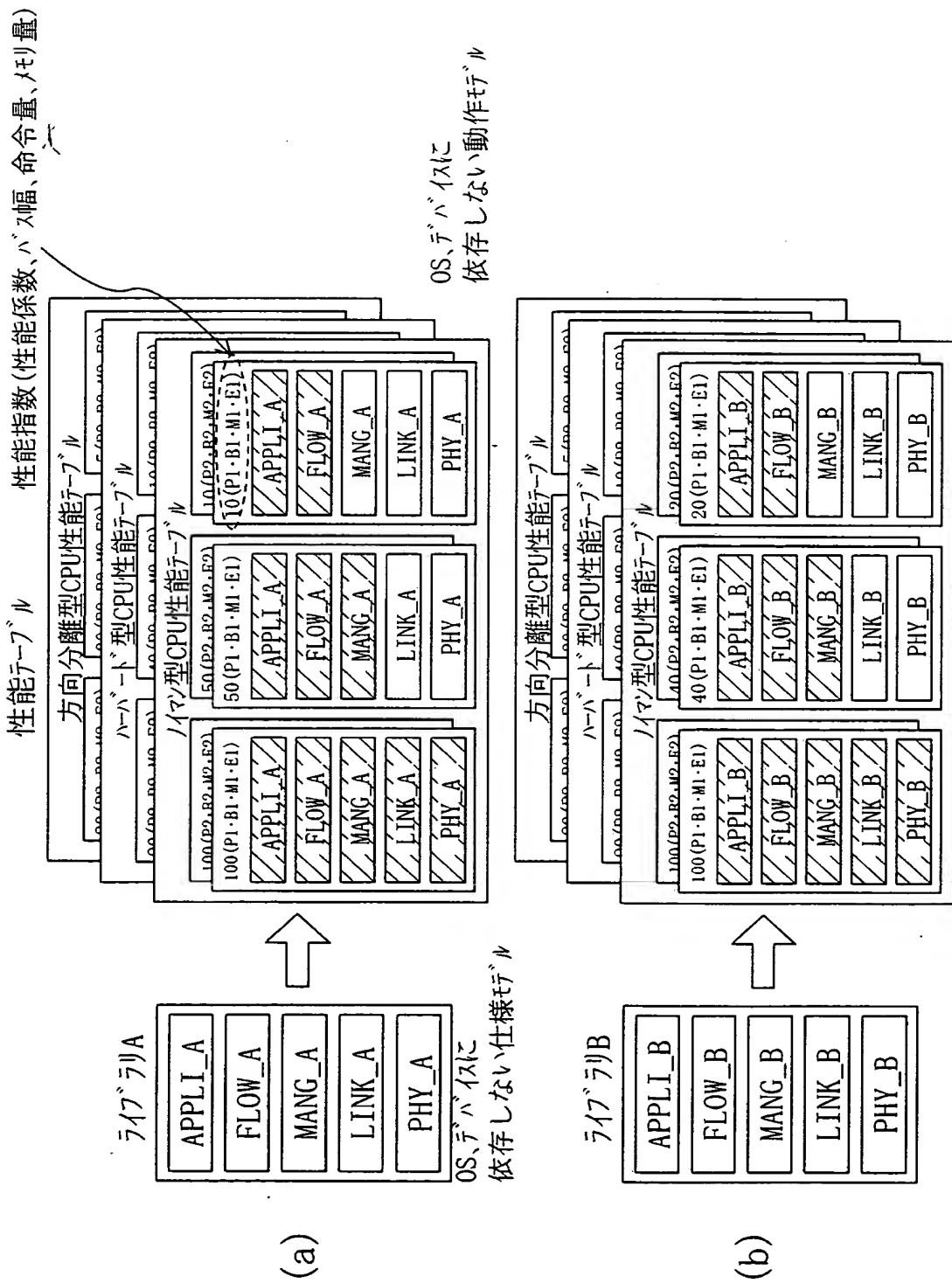
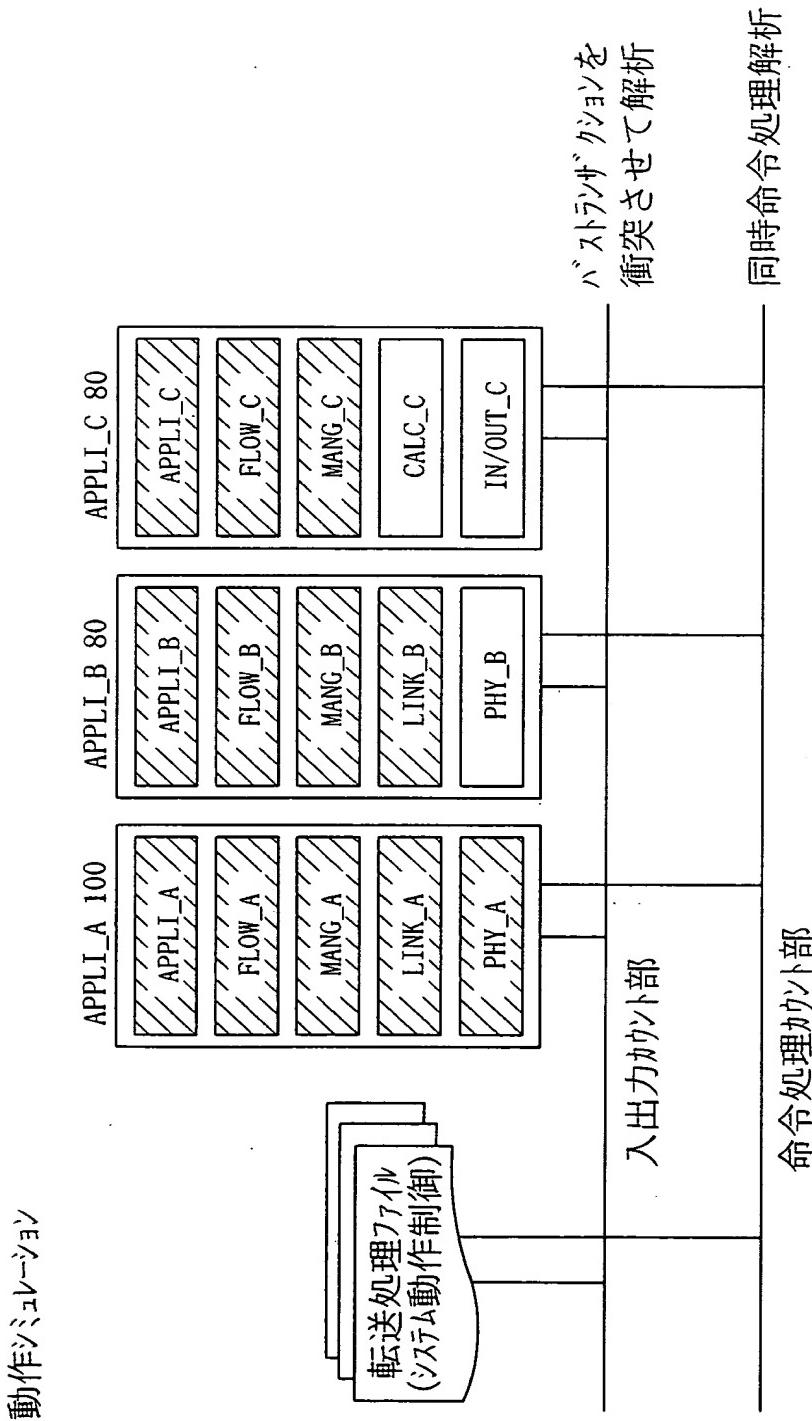
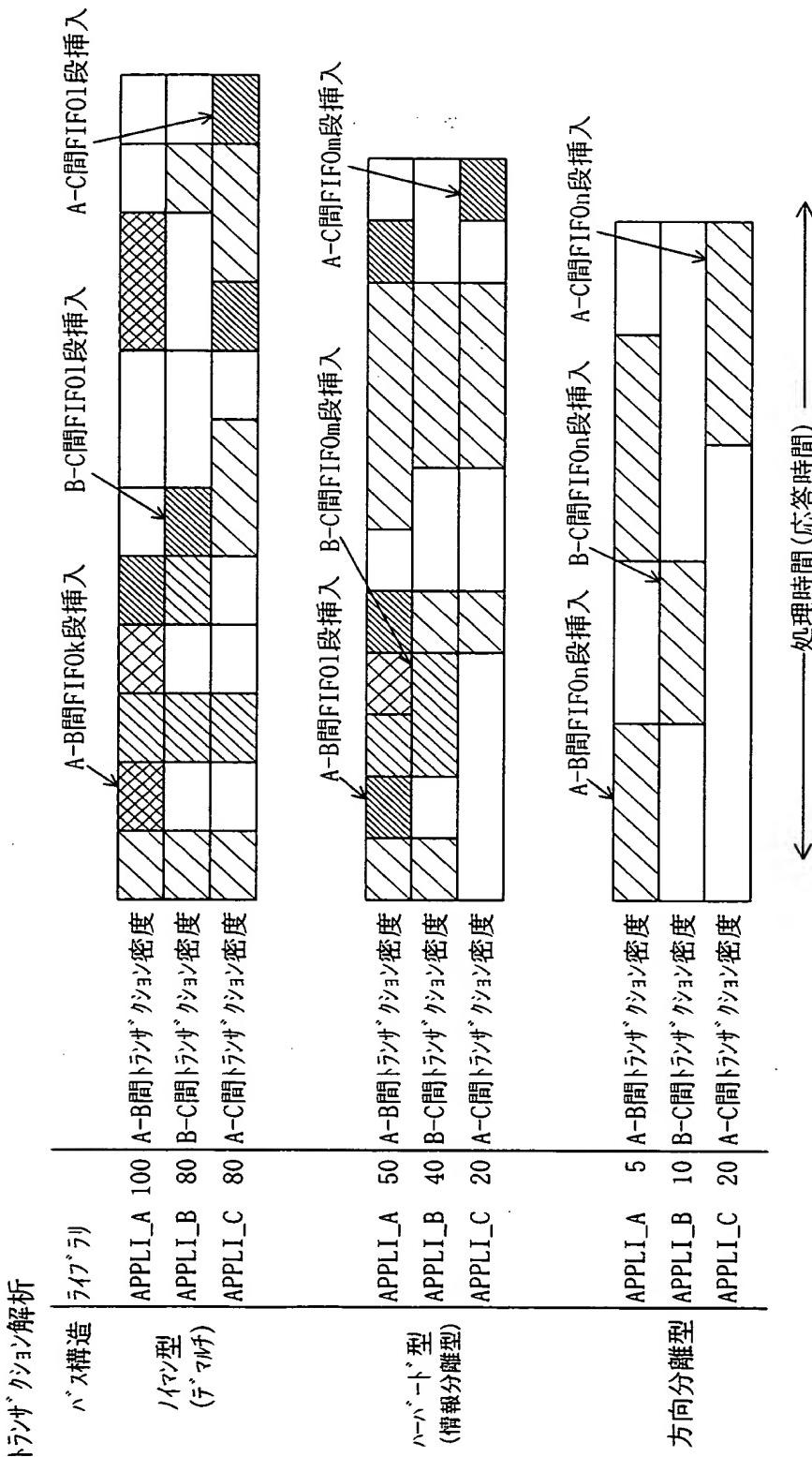


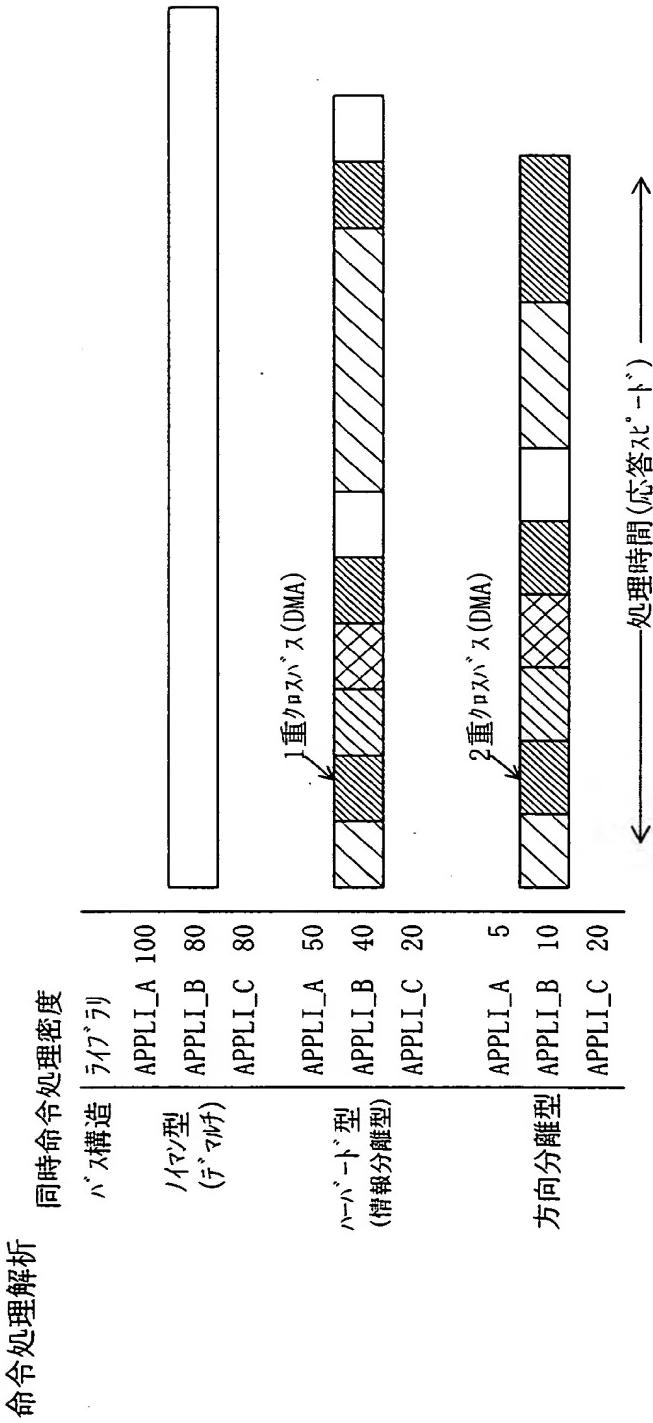
図4

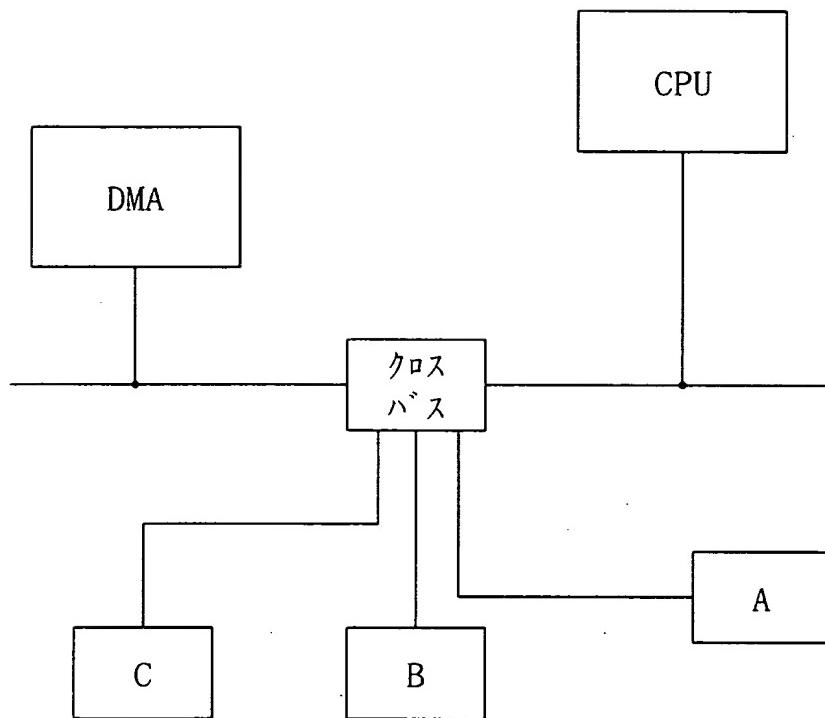


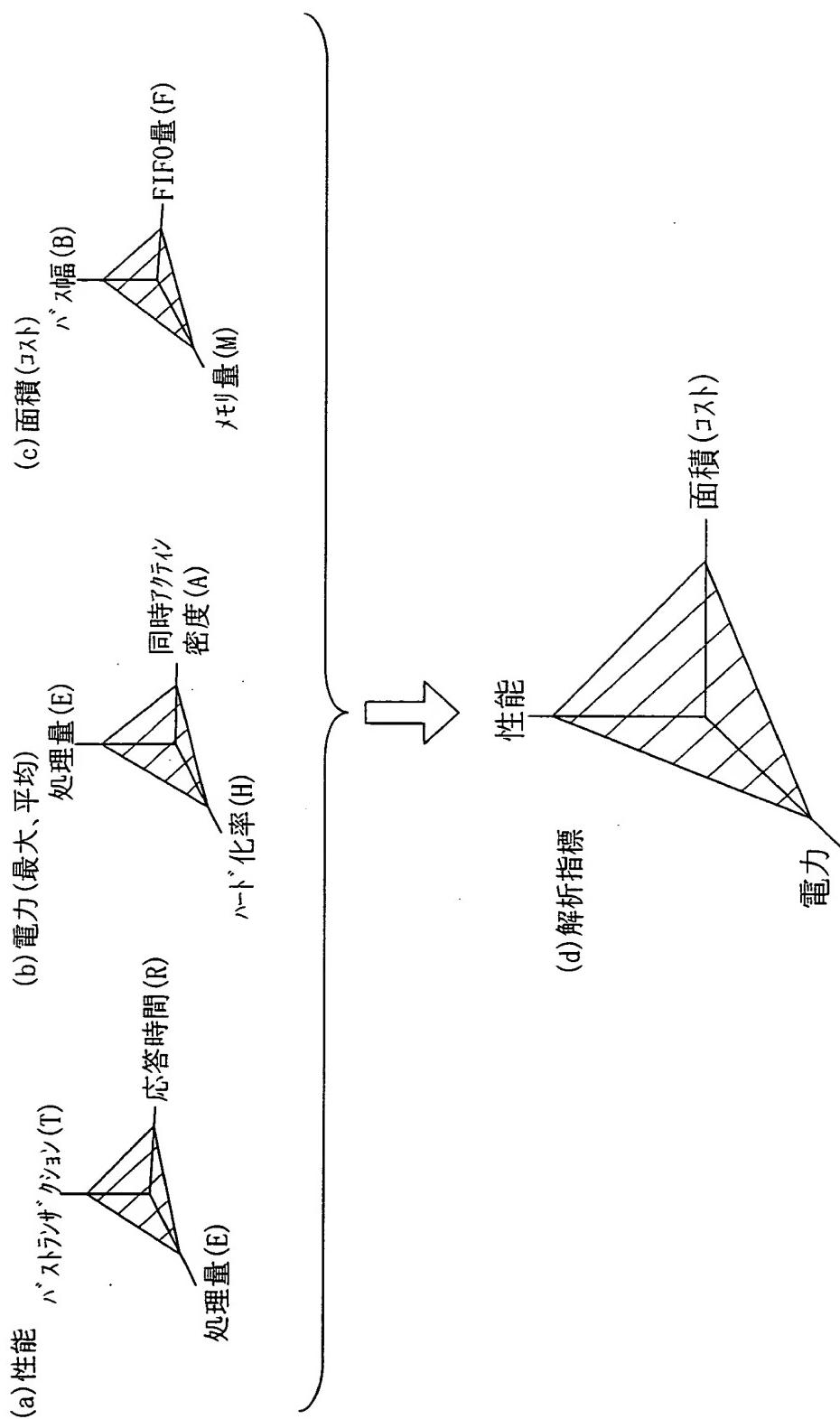












解析指標(重み付け指標)

(a) 性能指標の判断基準

応答時間:R
バストラザクション:T
処理量:E
 $R1x \times Tmx \times En = \text{性能指數:x}$

例) $1x = 1/1s$, $Mx = 1/10\text{回}$, $nx = 1/10\text{MIPS}$

(b) 電力指標の判断基準

平均(最大)処理量:Eav (Emx)
ハード化率:H
平均(最大)同時アケティア率:Avn
或 Eav $\left[1y \times Hmy \times Aavny = \text{平均電力指數} \right]$
 $Emx \quad 1y \times Hmy \times Amxny = \text{最大電力指數} \quad] : y$
例) $1y = 1/10\text{MIPS}$, $my = 1/20\%$, $ny = 1/25\%$

(c) 面積指標の判断基準

メモリ量:M
FIFO量:F
バス幅:B
 $M1z \times Fmz \times Bnz = \text{面積指數:z}$
例) $1z = 1/1k\text{Byte}$, $Mz = 1/128\text{byte}$, $nz = 1/16\text{bit}$

(d) 解析指標の判断基準

性能指數 (性能)	性能指數の影響係数:a
電力指數 (電力)	電力指數の影響係数:b
面積指數 (面積)	面積指數の影響係数:c

$ax + by + cz = \text{最適指數}$
例) $a = 0.5$, $b = 0.3$, $c = 0.2$

